



DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)

BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera

Kolbe & Kolbe Millwork Company

1211 Depot Street

Manawa, WI 54949

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "V707" Extruded Aluminum Reinforced White PVC Mullion – L.M.I.

APPROVAL DOCUMENT: Drawing No. 08-00657, titled "V707 Impact Mullion – "T" and Vertical", sheets 1 through 5 of 5, dated 12/03/08, with revision A dated 08/03/09, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA# 09-0203.08 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
7/19/12

NOA No. 12-0620.03
Expiration Date: October 07, 2014
Approval Date: July 26, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **08-00657**, Sheets 1 through 5 of 5, titled "V707 Impact Mullion "T" and Vertical", dated 12/03/08, with revision A dated 08/03/09, prepared by manufacturer, signed and sealed by Luis R. Lomas, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of series V707 impact mullion with O/X/X-O/X/X configuration fixed/double hung window combination vinyl prime windows mulled together, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-110-10633-25**, dated 02/16/07, signed and sealed by Harold E. Rupp, P.E.

(Submitted under previous NOA# 09-0203.08)

2. Test reports on: 1) Air Infiltration Test,
2) Uniform Static Air Pressure Test,
3) Water Resistance Test,
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

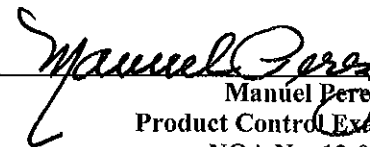
along with marked-up drawings and installation diagram of series V707 impact mullion with O/X/X-O/X/X configuration fixed/double hung window combination vinyl prime windows mulled together, prepared by National Certified Testing Laboratories, Test Report No. **NCTL-110-10633-28**, dated 12/08/06, signed and sealed by Harold E. Rupp, P.E.

(Submitted under previous NOA# 09-0203.08)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, dated 12/08/08, prepared, signed and sealed by Luis R. Lomas, P.E.

(Submitted under previous NOA# 09-0203.08)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0620.03

Expiration Date: October 07, 2014

Approval Date: July 26, 2012

Kolbe & Kolbe Millwork Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS


1. Notice of Acceptance No. **08-0620.09**, issued to **Thermoplast** for their **"White Rigid PVC Exterior Profile Extrusions for Windows and Doors"**, approved on 08/07/08 and expiring on 07/05/12.

F. STATEMENTS

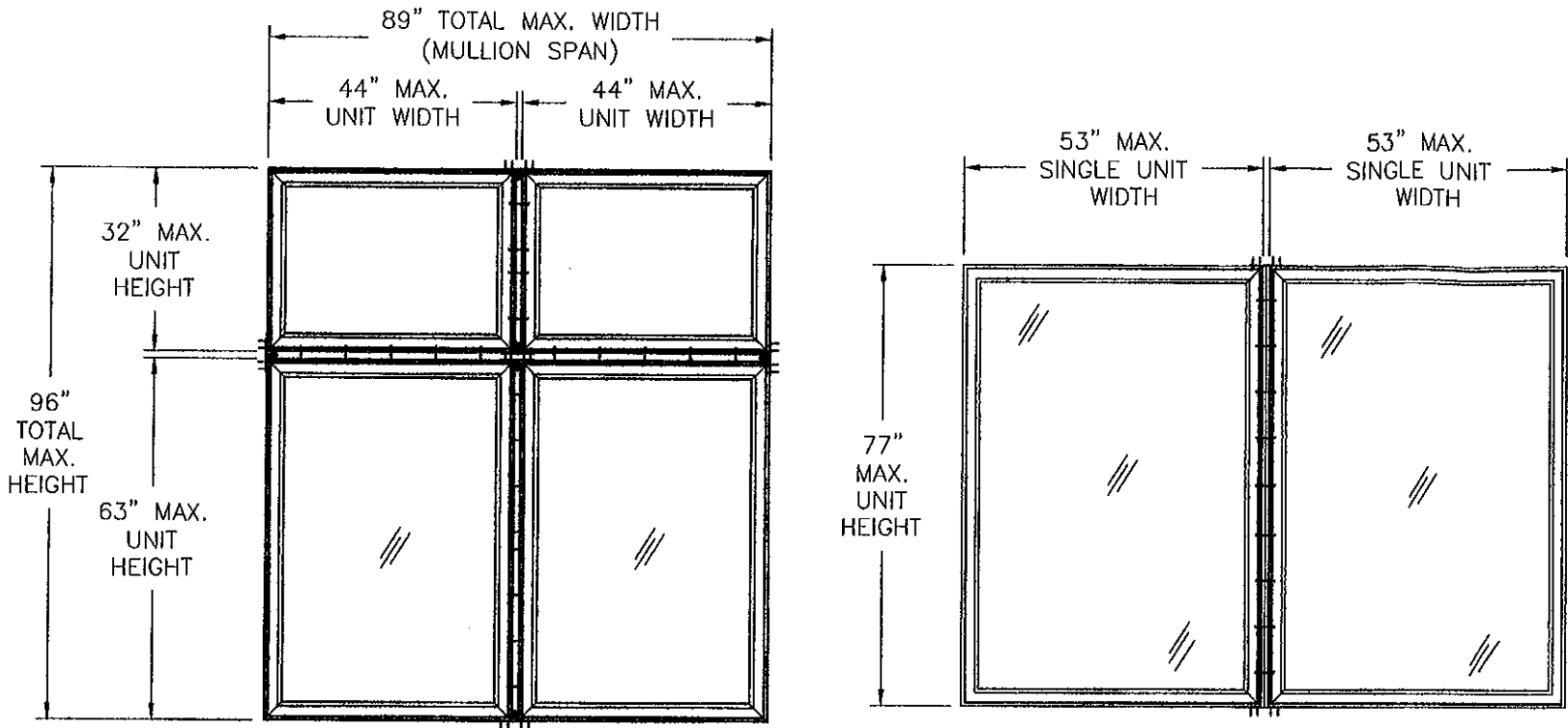
1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated May 24, 2012, signed and sealed by Luis R. Lomas, P.E.

G. OTHER

1. Notice of Acceptance No. **09-0203.08**, issued to Kolbe & Kolbe Millwork Company for their Series "V707" Extruded Aluminum Mullion – L.M.I., approved on 10/07/09 and expiring on 10/07/14.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0620.03
Expiration Date: October 07, 2014
Approval Date: July 26, 2012

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 16, 09	08/03/09	R.L.



V707 T IMPACT MULLION
EXTERIOR VIEW

V707 IMPACT MULLION
SEE NOTES 11 AND 12 FOR APPROVED
CONFIGURATIONS
EXTERIOR VIEW

DESIGN PRESSURE RATING	IMPACT RATING
± 70.0 PSF	LARGE AND SMALL MISSILE IMPACT

- NOTES:
- 1) THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
 - 2) WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
 - 3) CONTRACTOR IS RESPONSIBLE FOR MAINTAINING STRUCTURAL INTEGRITY OF WINDOW OPENING AND ALL WOOD FRAMING AROUND WINDOW.
 - 4) RESPONSIBILITY OF SELECTING FENESTRATION PRODUCTS TO MEET ANY APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES OR OTHER SAFETY REQUIREMENTS REST SOLELY WITH THE ARCHITECT, ENGINEER OF RECORD, BUILDING OWNER OR CONTRACTOR.
 - 5) APPROVED IMPACT PROTECTIVE SYSTEM IS NOT REQUIRED FOR THIS PRODUCT WIND BORNE DEBRIS REGIONS.
 - 6) ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
 - 7) DESIGN PRESSURE AND INSTALLATION DETAILS SHOWN IN THIS DOCUMENT APPLY ONLY TO THE MULLION. WINDOWS MUST BE APPROVED UNDER SEPARATE APPROVAL.
 - 8) SINGLE UNITS TO BE MULLED ARE NOT LIMITED TO THOSE SHOWN IN THIS DRAWING. SINGLE UNITS TO BE MULLED TOGETHER MUST BE MANUFACTURED BY KOLBE MILLWORK AND MUST BE MADE OUT OF VINYL PVC.
 - 9) DESIGN PRESSURE OF MULLED UNIT SHALL BE CONTROLLED BY THE LESSER DESIGN PRESSURE OF THE MULLION OR THE INDIVIDUAL WINDOW UNIT.
 - 10) HORIZONTAL MULLION SHALL EXTEND THE ENTIRE WIDTH OF THE MULLED UNIT. VERTICAL MULLION IS USED TO MULL TOP AND BOTTOM UNITS TOGETHER AND TO THE HORIZONTAL MULLION.
 - 11) TWIN CONFIGURATION SHOWN. UNITS MAY BE MULLED TOGETHER INDEFINITELY AS LONG AS THE SINGLE UNIT WIDTH AND THE SINGLE UNIT HEIGHT ARE NOT EXCEEDED AND MULLION IS ANCHORED AS SHOWN HEREIN.
 - 12) MULLION VERTICAL INSTALLATION IS SHOWN, MULLION MAY BE USED IN HORIZONTAL APPLICATIONS AS LONG AS DIMENSIONS INDICATED HEREIN ARE NOT EXCEEDED AND MULLION IS ANCHORED ACCORDING TO THIS DOCUMENT.

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0620-03
Expiration Date Oct. 7, 2014
By *Manuel Perez*
Miami Dade Product Control

TABLE OF CONTENTS	
SHEET NO.	DESCRIPTION
1	ELEVATION AND GENERAL NOTES
2	ANCHORING ELEVATION AND NOTES
3	CROSS SECTIONS, B.O.M. AND INSTALLATION DETAILS
4	CROSS SECTIONS AND INSTALLATION DETAILS
5	COMPONENTS

Approved as complying with the
Florida Building Code
Date OCT. 7, 2009
QA# 09-0209-08
Miami Dade Product Control
Division
By *Manuel Perez*

KOLBE & KOLBE MILLWORK

1211 DEPOT ST
MANAWA, WI 54949

V707 IMPACT MULLION
"T" AND VERTICAL
ELEVATIONS AND GENERAL NOTES

DRAWN: A.M.

DWG NO. 08-00657

REV A

SCALE NTS

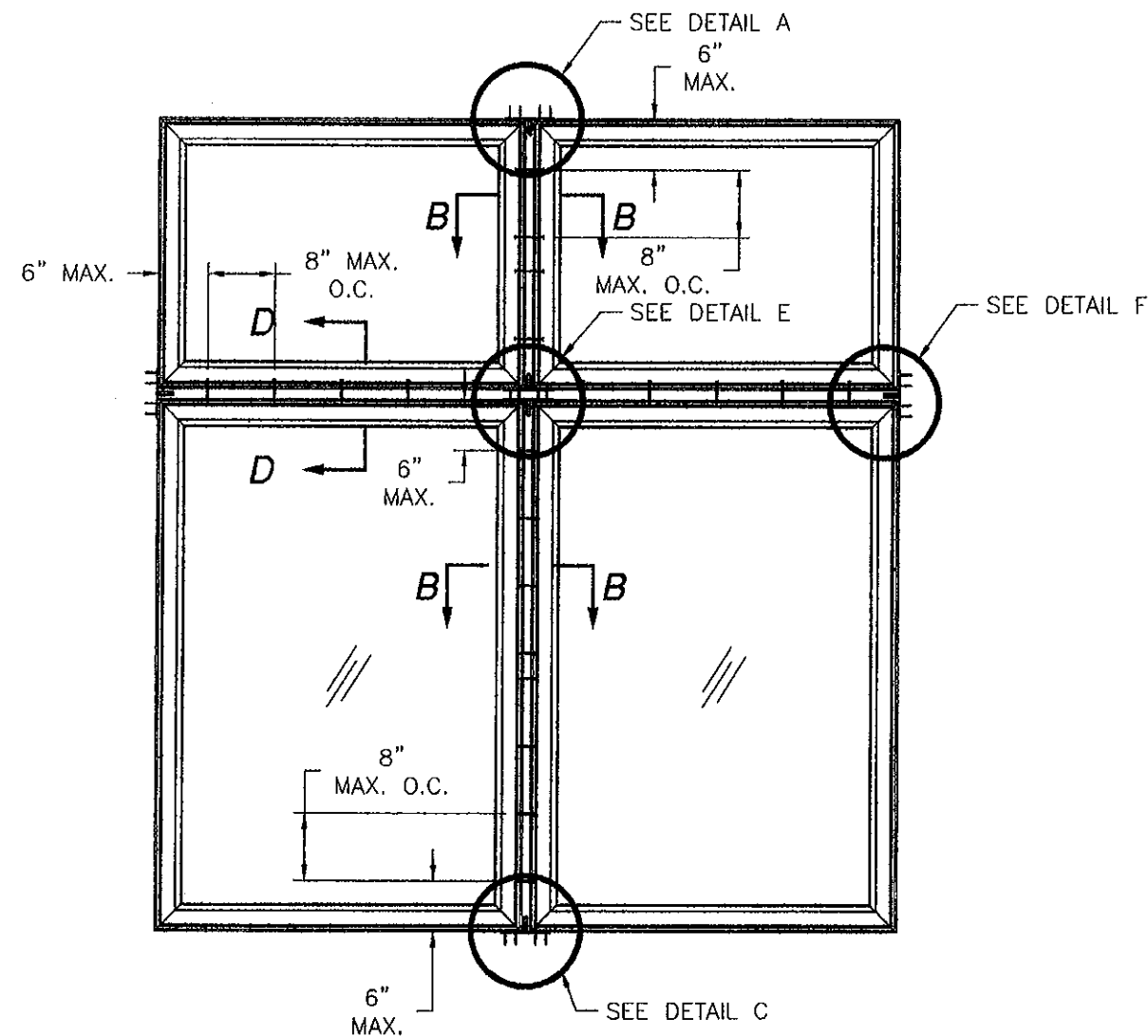
DATE 12/03/08

SHEET 1 OF 5

Luis R. Lomas

9/08/09

Luis R. Lomas P.E.
Florida No. 62514

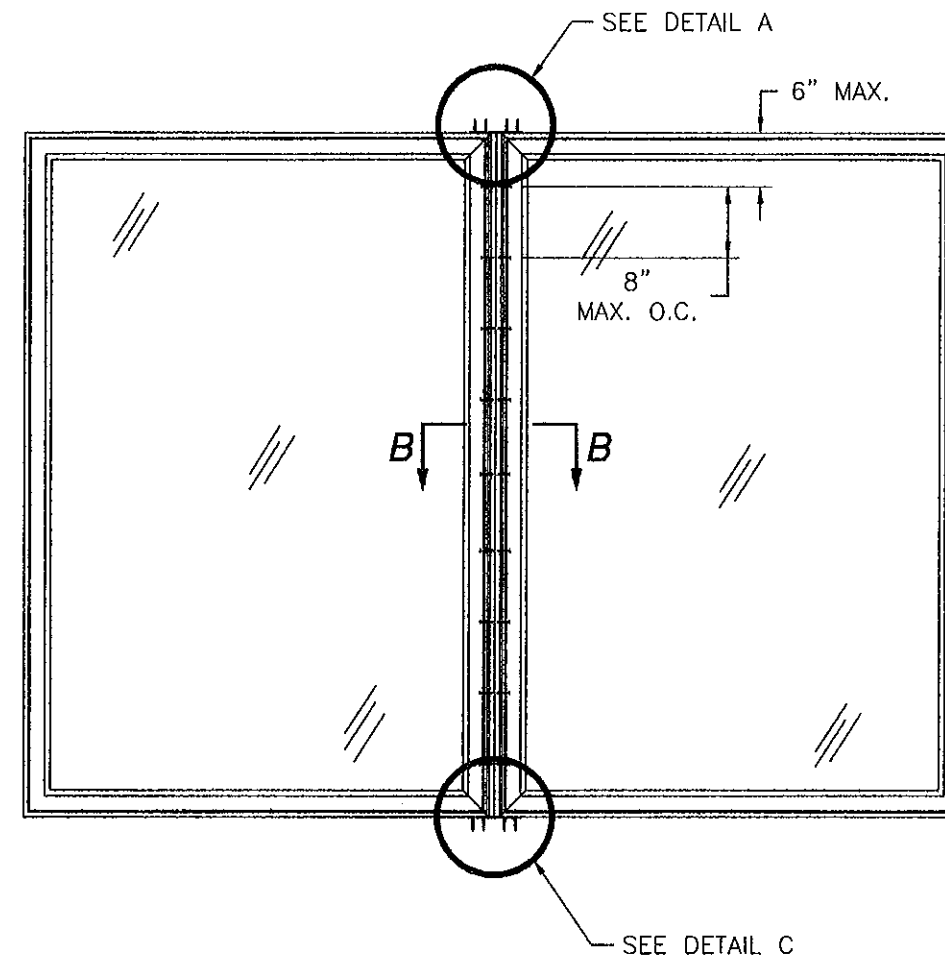


V707 T IMPACT MULLION

ANCHORING NOTES:

- 1) FOR ANCHORING INTO MASONRY USE FOUR (4) 3/16" ITW TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE AT EACH END OF MULLION. EMBEDMENT MUST BE BEYOND STUCCO AND OTHER SIMILAR TRIM MATERIAL. LOCATE ANCHORS AS SHOWN IN ELEVATION DETAILS. SUBSTRATE TO BE HOLLOW CMU OR CONCRETE WITH A 3,000PSI MIN. COMPRESSIVE STRENGTH.
- 2) FOR ANCHORING INTO WOOD FRAMING OR 2X BUCK USE EIGHT (8) #8 WOOD SCREW, OR EQUIVALENT WITH SUFFICIENT LENGTH TO ACHIEVE A 1 3/8" MINIMUM EMBEDMENT INTO SUBSTRATE AT EACH END OF MULLION. EMBEDMENT MUST BE BEYOND STUCCO AND OTHER SIMILAR TRIM MATERIAL. LOCATE ANCHORS AS SHOWN IN ELEVATION DETAILS. SUBSTRATE TO BE SPRUCE-PINE-FIR OR DENSER.
- 3) FOR ATTACHING WINDOW UNITS TO MULLION USE #8 SMS SELF TAPPING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A MINIMUM EMBEDMENT OF THREE THREADS PAST THE MULLION WALL. LOCATE SCREWS AS SHOWN IN ANCHOR ELEVATION.
- 4) FOR WINDOW UNITS ANCHORING SCHEDULE REFER TO WINDOW APPROVED INSTALLATION INSTRUCTIONS.
- 5) INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 A. WOOD - MINIMUM SPECIFIC GRAVITY OF G=0.42
 B. CONCRETE - MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
 C. MASONRY - STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 16, 09	08/03/09	R.L.



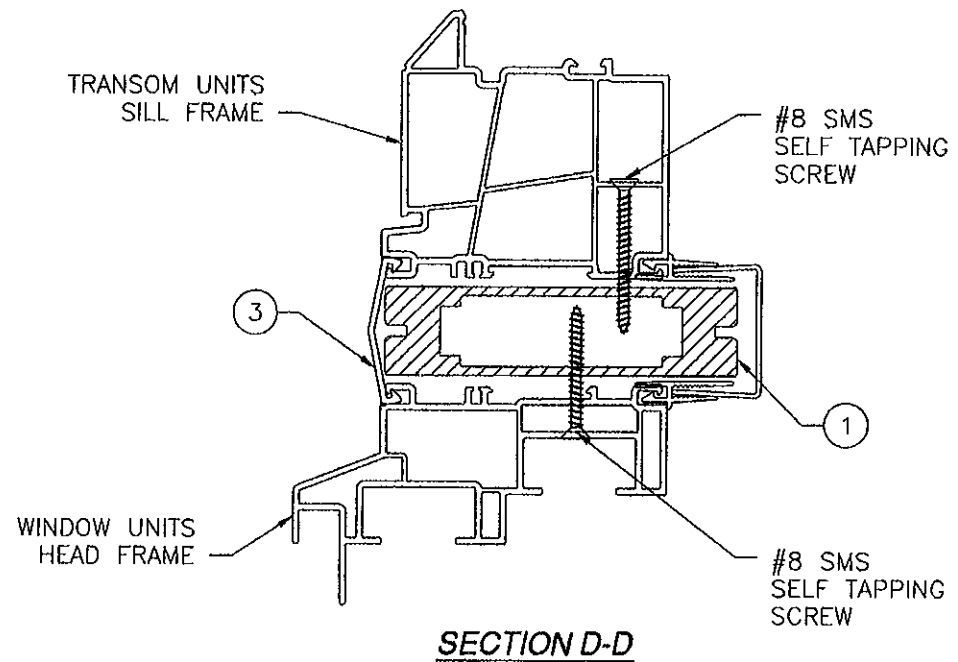
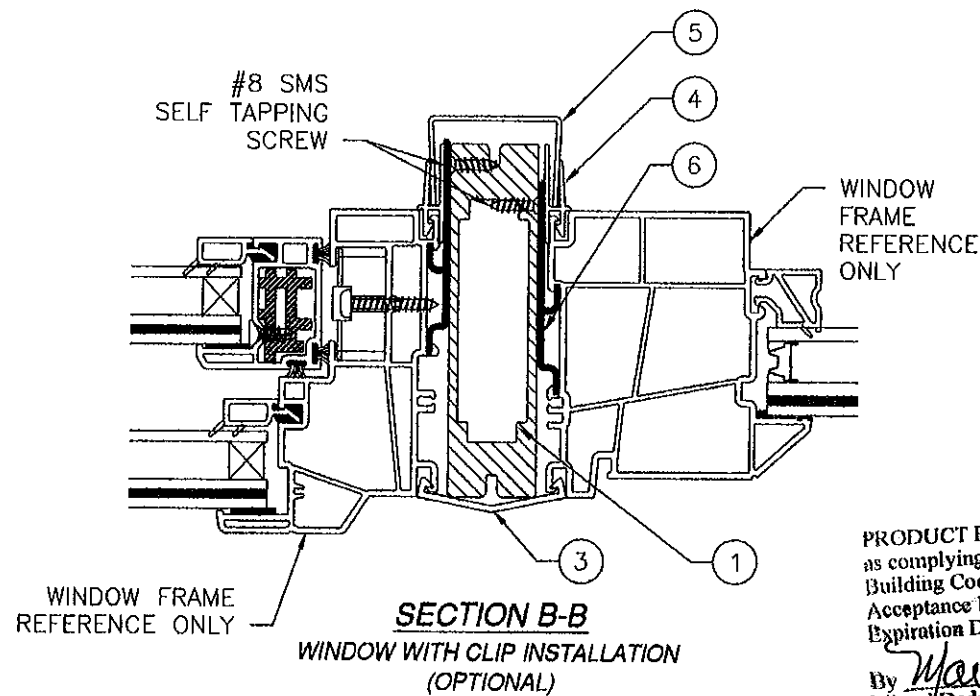
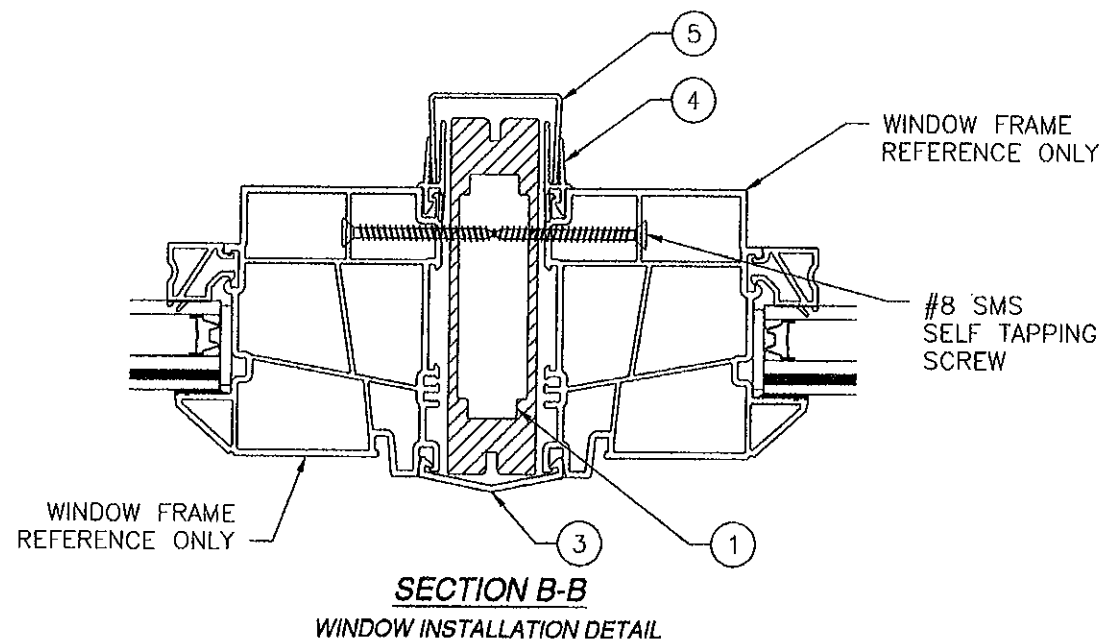
V707 IMPACT MULLION

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. 12-0620.03
 Expiration Date Oct. 7, 2014
 By *Manuel Perez*
 Miami Trade Product Control

Approved as complying with the Florida Building Code Date <i>OCT. 7, 2009</i> NEAH <i>04-0203.08</i> Miami Trade Product Control Division By <i>Manuel Perez</i>		KOLBE & KOLBE MILLWORK 1211 DEPOT ST MANAWA, WI 54949		<i>Luis R. Lomas</i> 9/08/09
		V707 IMPACT MULLION "T" AND VERTICAL ANCHORING ELEVATIONS AND NOTES		
DRAWN: A.M.	DWG NO. 08-00657	REV A	Luis R. Lomas P.E. Florida No. 62514	
SCALE NTS	DATE 12/03/08	SHEET 2 OF 5		

PARTS LIST				
NO.	PART NUMBER	DESCRIPTION	MANUFACTURER	MATERIAL
1	A118-02P078	4" ALUMINUM MULLION	EXTRUDEX	ALUMINUM 6065-T6
2	A116-02M078	MULLION CONNECTOR (CLIP)	EXTRUDEX	ALUMINUM 6065-T6
3	4534	MULLION CAP	THERMOPLAST	PVC
4	4529	ADAPTER	THERMOPLAST	PVC
5	1688	CAP	THERMOPLAST	PVC
6	500080	INSTALLATION CLIP (G60)	THERMOPLAST	GALVANIZED STEEL

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 16, 09	08/03/09	R.L.



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0620.03
Expiration Date OCT. 1, 2014
By *Maurice Perez*
Miami Dade Product Control

Approved as complying with the
Florida Building Code
Date OCT. 7, 2009
RCA# 09-0203.08
Miami Dade Product Control
Division
By *Maurice Perez*

KOLBE & KOLBE MILLWORK
1211 DEPOT ST
MANAWA, WI 54949

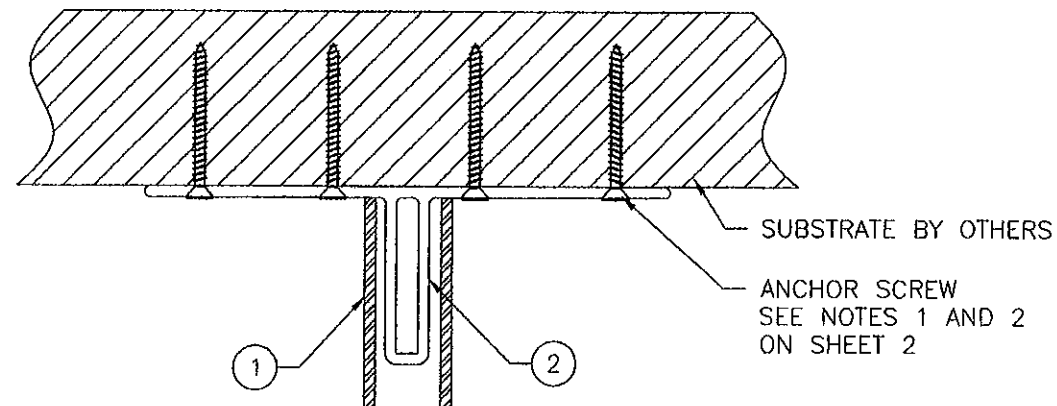
V707 IMPACT MULLION
"T" AND VERTICAL
CROSS SECTIONS AND INSTALLATION DETAILS

DRAWN: A.M. DWG NO. 08-00657 REV A
SCALE NTS DATE 12/03/08 SHEET 3 OF 5

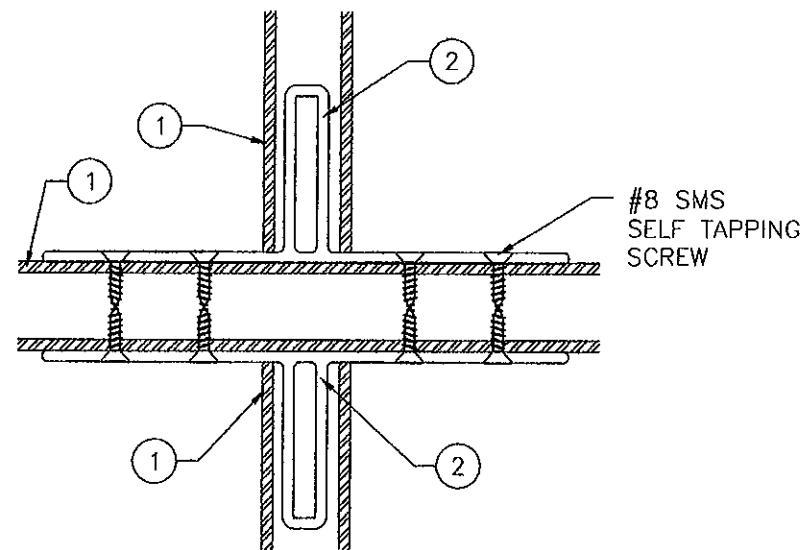
Luis R. Lomas
9/08/09

Luis R. Lomas P.E.
Florida No. 62514

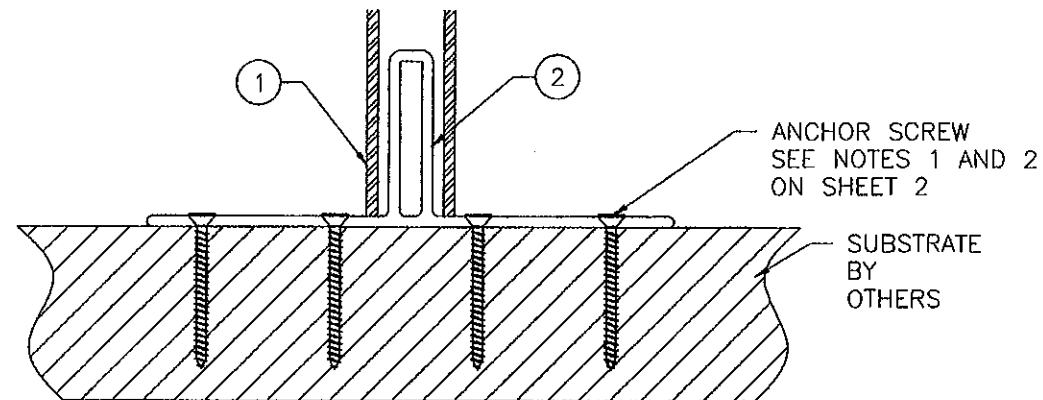
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 16, 09	08/03/09	R.L.



DETAIL A
VERTICAL MULLION
TOP CLIP INSTALLATION

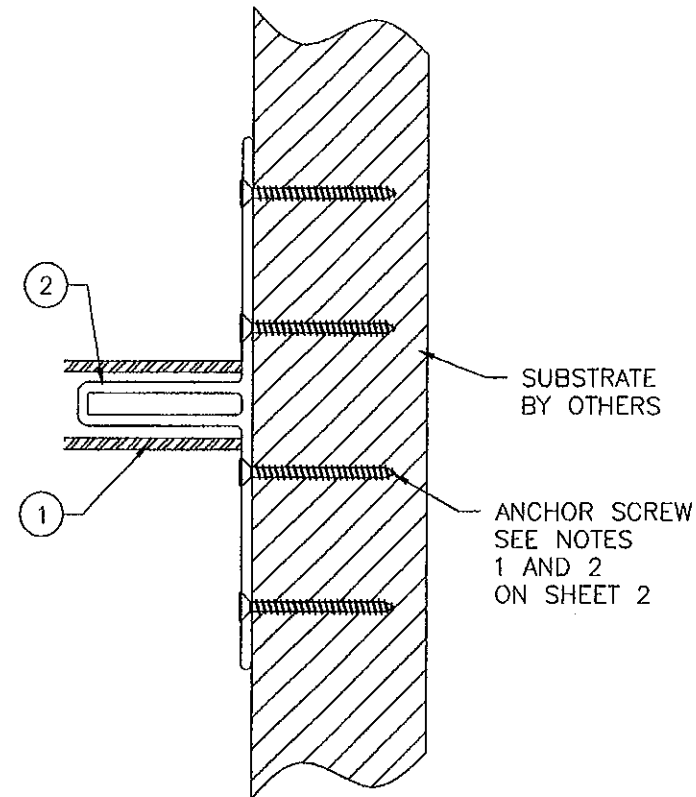


DETAIL E
HORIZONTAL AND VERTICAL MULLION
INTERSECTION CLIP INSTALLATION



DETAIL C
VERTICAL MULLION
BOTTOM CLIP INSTALLATION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0620.03
Expiration Date 03.7.2014
By *Manuel Perez*
Miami Dade Product Control



DETAIL F
HORIZONTAL MULLION
SIDE CLIP INSTALLATION

Approved as complying with the
Florida Building Code
Date *Oct 7, 2009*
NDA# *09-0203.08*
Miami Dade Product Control
By *Manuel Perez*

KOLBE & KOLBE MILLWORK
1211 DEPOT ST
MANAWA, WI 54949

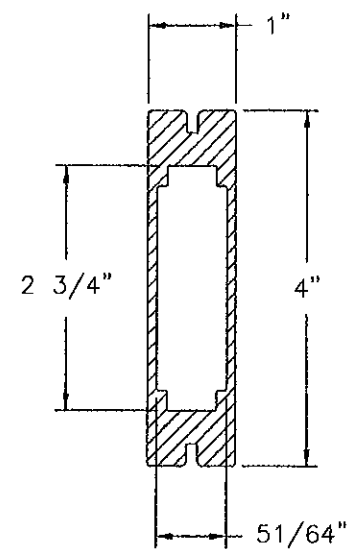
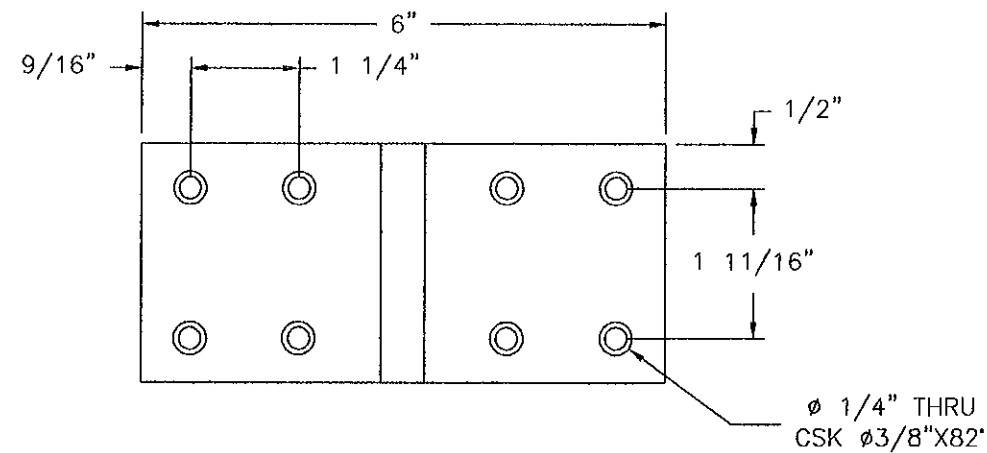
V707 IMPACT MULLION
"T" AND VERTICAL
CROSS SECTIONS AND INSTALLATION DETAILS

DRAWN: A.M.	DWG NO. 08-00657	REV A
SCALE NTS	DATE 12/03/08	SHEET 4 OF 5

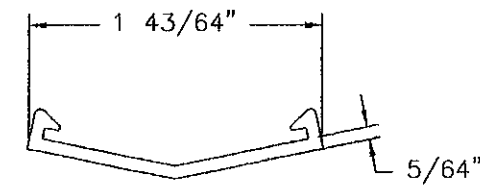
Luis R. Lomas
9/08/09

Luis R. Lomas P.E.
Florida No. 62514

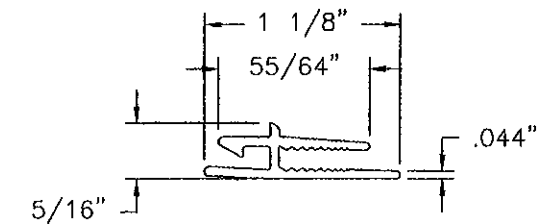
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	PER DADE LETTER DATED JULY 16, 09	08/03/09	R.L.



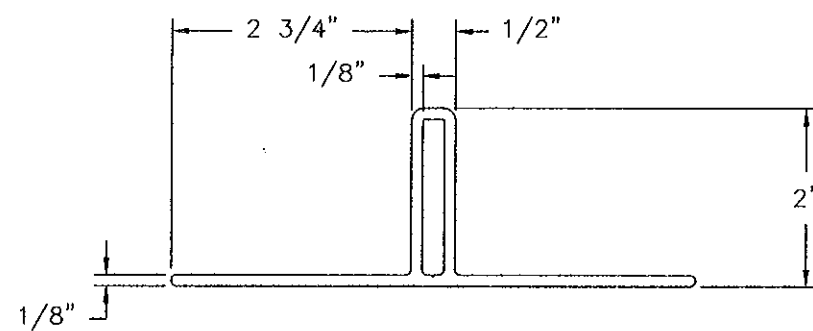
① **4" ALUMINUM MULLION**
ALUMINUM 6063-T6



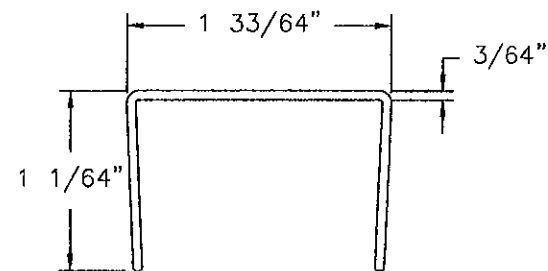
③ **MULLION CAP**
VINYL PVC



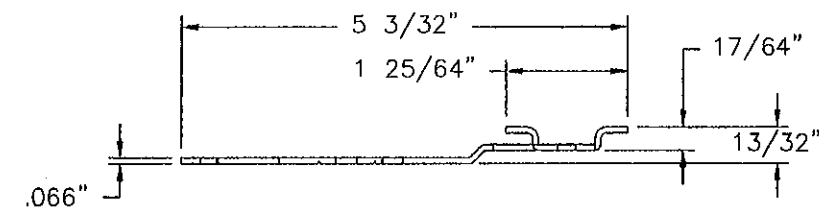
④ **ADAPTER**
VINYL PVC



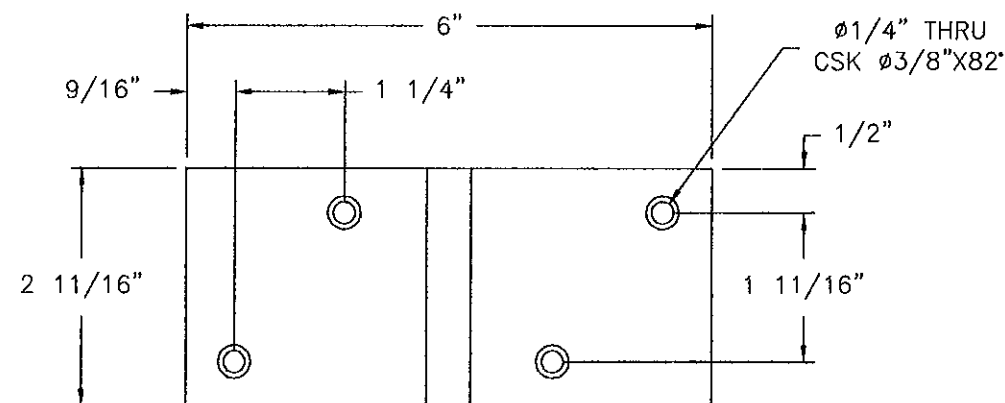
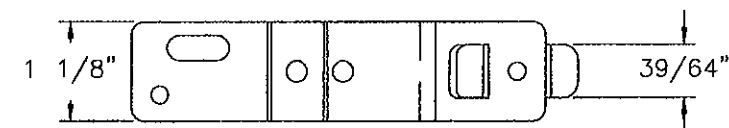
② **MULLION CONNECTOR (CLIP)**
ALUMINUM 6063-T6
HOLE PATTERN FOR WOOD INSTALLATION



⑤ **CAP**
VINYL PVC



⑥ **INSTALLATION CLIP**
GALVANIZED STEEL G60



② **MULLION CONNECTOR (CLIP)**
ALUMINUM 6063-T6
HOLE PATTERN FOR MASONRY INSTALLATION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0620.03
Expiration Date 02-1-2014
By *Manuel Perez*
Miami Dade Product Control

Approved as complying with the
Florida Building Code
Date *OCT 7, 2009*
NOA# *09-0203-02*
Miami Dade Product Control
By *Manuel Perez*

KOLBE & KOLBE MILLWORK
1211 DEPOT ST
MANAWA, WI 54949
V707 IMPACT MULLION
"I" AND VERTICAL
COMPONENTS

DRAWN: A.M. DWG NO. 08-00657 REV A
SCALE NTS DATE 12/03/08 SHEET 5 OF 5

Luis R. Lomas
9/08/09
Luis R. Lomas P.E.
Florida No. 62514